Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Amended) An electroencephalogram acquisition unit (AU) for use by an AU operator, each AU comprising:

a parameter storage for storing a database of electroencephalogram parameter data, wherein the parameter data comprise amplifier and display variables;

a communications module coupled to the parameter storage for remote access to and control of the parameter storage by a remote electroencephalogram reader; and

an access module coupled to the parameter storage for limiting access by the AU operator to the parameter storage.

2. (Original) The acquisition unit (AU) of claim 1, further comprising:

an electroencephalogram generation module, coupled to the parameter storage for generating an electroencephalogram; and

a user interface coupled to the access module and the electroencephalogram generation module, the user interface for receiving input from the AU operator and for providing output.

Claim 3 (canceled).

4. (Amended) A system for electroencephalography of a patient with acute brain injury comprising:

an electroencephalogram acquisition unit (AU) for use by an AU operator, wherein the AU comprises a parameter storage for storing a database of electroencephalogram parameter data, the parameter data comprising amplifier and display variables;

a network of electroencephalogram readers; and

a communications network for facilitating communication between ~~an~~ the AU and the electroencephalogram readers, wherein electroencephalogram parameters of the AU are controllable by the electroencephalogram readers.

5. (Amended) The system of claim 4, where the electroencephalogram acquisition unit comprises:

~~a parameter storage for storing a database of electroencephalogram parameter data;~~

an access module coupled to the parameter storage for limiting access by the AU operator to the parameter storage; and

a communications module coupled to the parameter storage for remote access to the parameter storage.

6. (Original) The system of claim 5, further comprising a template for the rapid placement of electroencephalogram electrodes on a patient with acute brain injury comprising a first strap having an outer surface and an inner surface; a second strap having an outer surface, an inner surface, a first end connected to the first strap, and a second end connected to the first strap; a third strap having an outer surface, an inner surface, a first end connected to the first strap at a first junction, a second end connected to the second strap at a second junction, and at least one opening completely through the strap from the outer surface to the inner surface; and where the opening in the third strap is positioned approximately 25% of the distance from the first junction toward the second junction.

7. (Original) The system of claim 5, where the electroencephalogram acquisition unit further comprises:

an electroencephalogram generation module, coupled to the parameter storage for generating an electroencephalogram; and

a user interface coupled to the access module and the electroencephalogram generation module, the user interface for receiving input from the AU operator and for providing output.

8. (Original) The system of claim 7, further comprising a template for the rapid placement of electroencephalogram electrodes on a patient with acute brain injury comprising a first strap having an outer surface and an inner surface; a second strap having an outer surface, an inner surface, a first end connected to the first strap, and a second end connected to the first strap; a third strap having an outer surface, an inner surface, a first end connected to the first strap at a first junction, a second end connected to the second strap at a second junction, and at least one opening completely through the strap from the outer surface to the inner surface; and where the opening in the third strap is positioned approximately 25% of the distance from the first junction toward the second junction.

9. (Original) The system of claim 4, further comprising a template for the rapid placement of electroencephalogram electrodes on a patient with acute brain injury comprising a first strap having an outer surface and an inner surface; a second strap having an outer surface, an inner surface, a first end connected to the first strap, and a second end connected to the first strap; a third strap having an outer surface, an inner surface, a first end connected to the first strap at a first junction, a second end connected to the second strap at a second junction, and at least one opening completely through the strap from the outer surface to the inner surface; and where the opening in the third strap is positioned approximately 25% of the distance from the first junction toward the second junction.

10. (Amended) A method for electroencephalography of a patient with acute brain injury comprising the steps of:

creating a database of electroencephalogram parameter data, wherein the parameter data comprise amplifier and display variables;

storing the database on an electroencephalogram acquisition unit (AU);

limiting access to the database by operators of the AU;

permitting access to and control of the database by a remote operator; and

generating an electroencephalogram using the database.

11. (Original) The method of claim 10, further comprising the steps of:

selecting a network of electroencephalogram readers; and

transmitting the electroencephalogram to one of the plurality of electroencephalogram readers.

12. (Original) The method of claim 11, further comprising the step of providing a template for the rapid placement of electroencephalogram electrodes on a patient with acute brain injury comprising a first strap having an outer surface and an inner surface; a second strap having an outer surface, an inner surface, a first end connected to the first strap, and a second end connected to the first strap; a third strap having an outer surface, an inner surface, a first end connected to the first strap at a first junction, a second end connected to the second strap at a second junction, and at least one opening completely through the strap from the outer surface to the inner surface; and where the opening in the third strap is positioned approximately 25% of the distance from the first junction toward the second junction.

13. (Original) The method of claim 10, further comprising the step of providing a template for the rapid placement of electroencephalogram electrodes on a patient with acute brain injury comprising a first strap having an outer surface and an inner surface; a second strap having an outer surface, an inner surface, a first end connected to the first strap, and a second end connected to the first strap; a third strap having an outer surface, an inner surface, a first end connected to the first strap at a first junction, a second end connected to the second strap at a second junction, and at least one opening completely through the strap from the outer surface to the inner surface; and where the opening in the third strap is positioned approximately 25% of the distance from the first junction toward the second junction.

Claims 14 and 15 (canceled).

16. (New) The acquisition unit (AU) of claim 1, wherein the amplifier and display variables comprise parameter data selected from the group consisting of low frequency filter settings, high frequency filter settings, notch filter settings, amplitude, sensitivity, time base, and montage selection.

17. (New) The system of claim 4, wherein the amplifier and display variables comprise parameter data selected from the group consisting of low frequency filter settings, high frequency filter settings, notch filter settings, amplitude, sensitivity, time base, and montage selection.

18. (New) The method of claim 10, wherein the amplifier and display variables comprise parameter data selected from the group consisting of low frequency filter settings, high frequency filter settings, notch filter settings, amplitude, sensitivity, time base, and montage selection.